Project Design Phase-II

Data Flow Diagram & User Stories
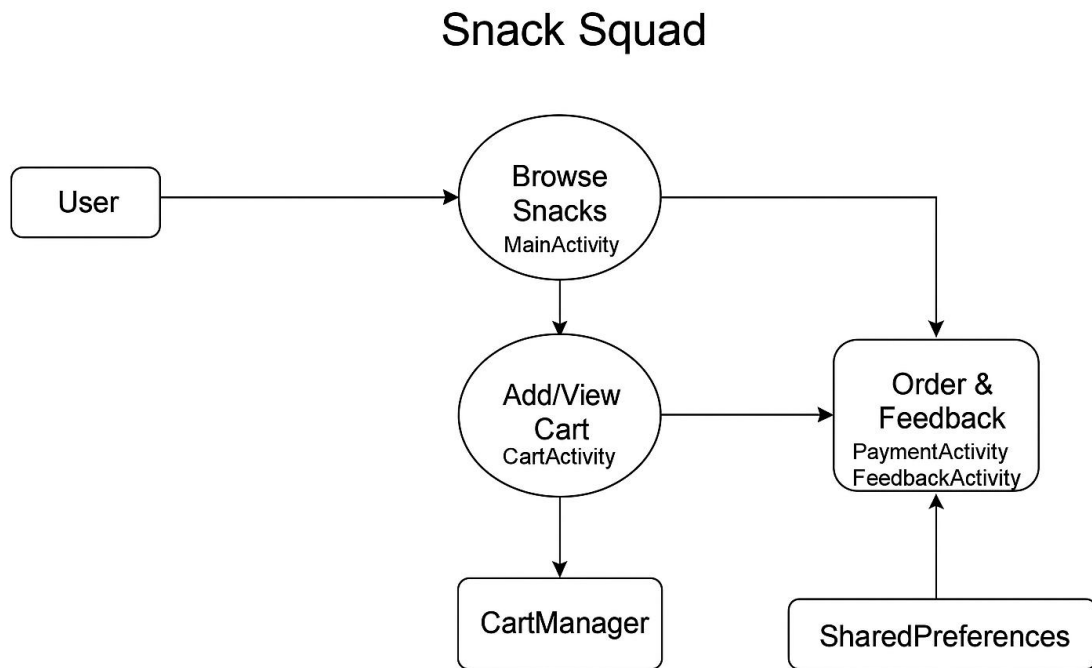
Date: 15 june 2025
Project Name: Snack Squad – Android Snack Ordering App
Maximum Marks: 4 Marks

Data Flow Diagrams (DFD)

A Data Flow Diagram (DFD) is a visual representation of the flow of data through a system. For the **Snack Squad** application, it shows how users interact with the app to browse snacks, add them to a cart, place orders, make payments, and give feedback.

DFD Level 0 – High-Level Process Overview

Snack Squad

DData Flow Drigram

Note: Add a block diagram representing:

- User → MainActivity (View Snacks)
- MainActivity → CartActivity (Add/View Cart)
- CartActivity → PaymentActivity (Place Order)

- PaymentActivity → PaymentSuccessActivity (Confirmation)
- FeedbackActivity → SharedPreferences (Store Ratings)

User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Customer	Snack Browsing	USN-1	As a customer, I can view a list of available snacks with name, price, and image.	Snacks list displays with images, names, and prices.	High	Sprint-1
Customer	Cart Management	USN-2	As a customer, I can add snacks to the cart and review them before payment.	Items added/removed update cart correctly.	High	Sprint-1
Customer	Payment Processing	USN-3	As a customer, I can proceed to checkout and complete payment for the order.	Payment success page is shown after payment.	High	Sprint-2
Customer	Order Tracking	USN-4	As a customer, I can track the delivery status of my order.	Order tracker updates based on delivery stage.	Medium	Sprint-2
Customer	Feedback & Rating	USN-5	As a customer, I can submit feedback and ratings after placing an order.	Rating is stored and acknowledgment is shown.	Medium	Sprint-3

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Customer	Homepage Navigation	USN-6	As a customer, I can navigate back to home screen after order is placed.	Home button redirects to MainActivity successfully.	Medium	Sprint-3
Admin/Tester (App Dev)	Data Persistence	USN-7	As a developer, I can store and retrieve cart items and feedback locally.	Cart & ratings persist using SharedPreferences.	High	Sprint-1
Customer	Snack Sorting/Search (Future Scope)	USN-8	As a customer, I want to sort snacks by price or name for easy browsing.	Snacks display correctly based on selected filter.	Low	Sprint-4